

L8 ANSWER 1 OF 1 CA COPYRIGHT 2009 ACS on STN  
 AN 95:47881 CA  
 OREF 95:8091a,8094a  
 ED Entered STN: 12 May 1984  
 TI A research development on the utilization of coal ash as a raw material of  
 cement. Part I. An experimental manufacture of high  
 (3CaO·Al<sub>2</sub>O<sub>3</sub>) cement by burning in electric furnaces  
 AU Okuda, Tohru; Ishihara, Yoshimi; Tanaka, Hirobumi; Uchida, Kiyohiko  
 CS Denryoku Chuo Kenkyusho, Japan  
 SO Denryoku Chuo Kenkyusho Hokoku (1980), 380024, 41 pp.  
 CODEN: DCKHDL  
 DT Journal  
 LA Japanese  
 CC 58-1 (Cement and Concrete Products)  
 AB High-C3A [12042-78-3] cement was prepared from mixts. containing coal  
 ash from thermal power stations and  
 limestone (389:1107 kg, resp., for the production of 1 ton of clinker)  
 at 1350-1450°. The properties of the cement with a  
 surface area 5000 cm<sup>2</sup>/g and gypsum [13397-24-5] content 6-7%  
 were similar to, or higher than, those of com. normal portland  
 cement.  
 ST coal ash cement  
 IT Coal  
 RL: USES (Uses)  
 (ashes from, cement from limestone and)  
 IT Limestone, uses and miscellaneous  
 RL: USES (Uses)  
 (cement from coal ash and)  
 IT Cement  
 (from ashes and limestone)  
 IT Ashes (residues)  
 (coal, cement from limestone and)  
 IT 12042-78-3  
 RL: USES (Uses)  
 (cement high in, containing coal ashes and limestone)  
 IT 13397-24-5, uses and miscellaneous  
 RL: USES (Uses)  
 (in cement, with high calcium aluminate content, properties  
 in relation to)